

Express Mail Label  
# EF 230788216 US

Sheet 1 of 8

#3

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
VPI/96-01 CIP2 DIV3

APPLICATION  
NO.  
10/058,522

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT  
Mark James Batchelor, et al.

CONFIRMATION  
4312

FILING DATE  
January 28, 2002

GROUP  
1624

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
D.K.	4,276,298	6/30/81	Jones et al.	424	270	
	4,369,183	1/18/83	Jones et al.	424	263	
	4,499,295	2/12/85	Mueller et al.	560	53	
	4,551,279	11/5/85	Mueller et al.	260	404	
	4,584,397	4/22/86	Mueller et al.	560	75	
	4,968,607	11/6/90	Dower et al.	435	69.1	
	5,008,245	4/16/91	Digenis et al.	514	18	
	5,055,451	10/8/91	Krantz et al.	514	19	
	5,081,228	1/14/92	Dower et al.	530	35.1	
	5,158,936	10/27/92	Krantz et al.	514	19	
	5,180,812	1/19/93	Dower et al.	530	351	
	5,374,623	12/20/94	Zimmerman et al.	514	17	
	5,411,985	5/2/95	Bills et al.	514	460	
	5,416,013	5/16/95	Black et al.	435	226	
	5,430,128	7/4/95	Chapman et al.	530	330	
	5,434,248	7/18/95	Chapman et al.	530	330	
	5,462,939	10/31/95	Dolle et al.	514	231.5	
	5,486,623	01/23/96	Zimmerman et al.	549	417	12/08/93
	5,498,616	03/12/96	Mallamo et al.	514	300	11/04/94
	5,498,695	03/12/96	Daumy et al.	530	331	12/12/94
	5,552,400	09/03/96	Dolle et al.	514	221	06/08/94
	5,565,430	10/15/96	Dolle et al.	514	19	08/02/94
	5,656,627	8/12/97	Bemis	514	221	3/17/95
	5,716,929	2/10/98	Bemis	514	18	6/5/95
	5,756,466	5/26/98	Bemis	514	18	6/17/94
	5,585,357	12/17/96	Dolle	544	182	1/29/96
	5,585,486	12/17/96	Dolle	544	182	5/12/95
	5,670,494	9/23/97	Dolle	514	86	11/20/95
	5,639,745	6/17/97	Dolle	514	183	5/25/95

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. <del>09/400,639</del>
	APPLICANT Mark James Batchelor, et al.	
	FILING DATE September 21, 1999	GROUP <del>1614</del> / 624

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
B.K.	WO 90/13549	11/15/90	PCT	C07D	417/06		
	WO 91/15577	10/17/91	PCT	C12N	9/64		
	WO 93/05071	3/18/93	PCT	C07K	13/00		
	WO 93/09135	5/13/93	PCT	C07K	5/04		
	WO 93/14777	8/5/93	PCT	A61K	37/00		
	WO 93/16710	9/2/93	PCT	A61K	37/00		
	WO 93/25683	12/23/93	PCT	C12N	15/12		
	WO 93/25685	12/23/93	PCT	C12N	15/12		
	WO 93/25694	12/23/93	PCT	C12N	15/57		
	WO 94/00154	1/6/94	PCT	A61K	39/395		
	WO 94/03480	2/17/94	PCT	C07K	5/02		
	WO 95/00160	1/5/95	PCT	A61K	37/02		
	WO 95/05192	2/23/95	PCT	A61K	38/06		
	WO 95/16706	6/22/95	PCT	C07K	14/54		
	WO 95/26958	10/12/95	PCT	C07D	239/47		
	WO 95/29672	11/9/95	PCT	A61K	031/16		
	WO 95/33751	12/14/95	PCT	C07D	487/04		
	WO 95/35308	12/28/95	PCT	C07K	5/023		
	WO 96/03982	2/15/96	PCT	A61K	31/15		
	WO 96/25408	8/22/96	PCT	C07D	305/08		
	EP-A-0 275 101	7/20/88	EPO	C07K	5/02		
	EP-A-0 410 411	1/30/91	EPO	C07K	5/04		
	EP-A-0 417 721	3/20/91	EPO	C07K	5/10		
	EP-A-0 479 489	4/8/92	EPO	C07K	5/08		
	EP-A-0 504 938	9/23/92	EPO	A61K	37/02		
	EP-A-0 519 748	12/23/92	EPO	C07K	5/04		
	EP-A-0 525 420	2/3/93	EPO	C07D	307/56		
	EP-A-0 528 487	2/24/93	EPO	C07K	5/10		
	EP-A-0 529 713	3/3/93	EPO	B01J	20/32		
✓	EP-A-0 533 226	3/24/93	EPO	C07K	5/10		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 JUL 29 2002 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. 09/400,639 10/05/522
	APPLICANT Mark James Batchelor, et al.			
	FILING DATE September 21, 1999	GROUP 4614 1524		

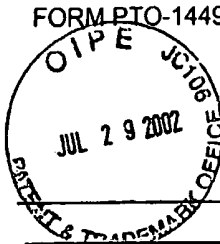
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
B.K.	M. Ator, "Peptide and Non-peptide Inhibitors of Interleukin-1 $\beta$ Converting Enzyme", <u>Cambridge Healthtech Institute (Inflammatory Cytokine Antagonists Targets, Strategies, and Indication)</u> , (1994)
	M.A. Ator and R.E. Dolle, "Interleukin-1 $\beta$ Converting Enzyme: Biology and the Chemistry of Inhibitors", <u>Curr. Pharm. Design</u> , 1, pp. 191-210 (1995)
	M. Barinaga, "Death Gives Birth to the Nervous System. But How?", <u>Science</u> , 259, pp. 762-763 (1993)
	P. Bender & J. Lee, "Pharmacological Modulation of Interleukin-1", <u>Annu. Rep. Med. Chem.</u> , 25, pp. 185-193 (1989)
	R. Black et al., "Activation of Interleukin-1 $\beta$ by a Co-induced Protease", <u>FEBS Lett.</u> , 247, pp. 386-390 (1989)
	J. Breitner et al., "Inverse Association of Anti-inflammatory Treatments and Alzheimer's Disease: Initial Results of a Co-twin Control Study", <u>Neurology</u> , 44, pp. 227-232 (1994)
	F. Casano et al., "The Structure and Complete Nucleotide Sequence of the Murine Gene Encoding Interleukin-1 $\beta$ Converting Enzyme (ICE)", <u>Genomics</u> , 20, pp. 474-481 (1994)
	D. Cerretti et al., "Molecular Cloning of the Interleukin-1 $\beta$ Converting Enzyme", <u>Science</u> , 256, pp. 97-100 (1992)
	K. Chapman, "Synthesis of a Potent, Reversible Inhibitor of Interleukin-1 $\beta$ Converting Enzyme", <u>Bioorg. Med. Chem. Lett.</u> , 2, pp. 613-618 (1992)
	C. Dinarello, "Role of Interleukin-1 in Infectious Diseases", <u>Immunol. Rev.</u> , 127, pp. 119-146 (1992)
	C. Dinarello et al., "Anticytokine Strategies in the Treatment of the Systemic Inflammatory Response Syndrome", <u>J. Am. Med. Assoc.</u> , 269, pp. 1829-1835 (1993)
	R. Dolle et al., "Aspartyl $\alpha$ -((1-Phenyl-3-(trifluoromethyl)-pyrazol-5-yl)oxy)methyl Ketones as Interleukin-1 $\beta$ Converting Enzyme Inhibitors. Significance of the P <sub>1</sub> and P <sub>3</sub> Amido Nitrogens for Enzyme-Peptide Inhibitor Binding", <u>J. Med. Chem.</u> , 37, pp. 3863-3865 (1994)
	R. Dolle et al., "Aspartyl $\alpha$ -((Diphenylphosphinyl)oxy)methyl Ketones as Novel Inhibitors of Interleukin-1 $\beta$ Converting Enzyme. Utility of the Diphenylphosphinic Acid Leaving Group for the Inhibition of Cysteine Proteases", <u>J. Med. Chem.</u> , 38, pp. 220-222 (1995)
	R. Dolle et al., "P <sub>1</sub> Aspartate-Based Peptide $\alpha$ -((2,6-Dichlorobenzoyl)oxy)methyl Ketones as Potent Time-Dependent Inhibitors of Interleukin-1 $\beta$ -Converting Enzyme" <u>J. Med. Chem.</u> , 37, pp. 563-564 (1994)
	P. Edwards et al., "Design, Synthesis, and Kinetic Evaluation of a Unique Class of Elastase Inhibitors, the Peptidyl $\alpha$ -Ketobenzoxazoles, and the X-ray Crystal Structure of the Covalent Complex between Porcine Pancreatic Elastase and Ac-Ala-Pro-Val-2-Benzoxazole", <u>J. Am. Chem. Soc.</u> , 114, pp. 1854-1863 (1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. 09/400,639- 10/058,522
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mark James Batchelor, et al.	
			FILING DATE September 21, 1999	GROUP 1614 / 6 2 4

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
D.K.	T. Fan et al., "Stimulation of Angiogenesis by Substance P and Interleukin-1 in the Rat and Its Inhibition by NK <sub>1</sub> or Interleukin-1 Receptor Antagonists", <u>Br. J. Pharmacol.</u> , 110, pp. 43-49 (1993)
	I. Fauszt et al., "Inhibition of Interleukin-1 $\beta$ Converting Enzyme by Peptide Derivatives", <u>Proc. of the 13th Am. Peptide Symp.</u> , June 20-25, 1993, Hodges, R.S. and Smith, J.A., Eds., <u>Peptides</u> , pp. 589-591 (1994)
	D.S. Fletcher, et al., "A Synthetic Inhibitor of Interleukin-1 $\beta$ Converting Enzyme Prevents Endotoxin-Induced Interleukin-1 $\beta$ Production <u>In Vitro</u> and <u>In Vivo</u> ", <u>J. Interfer. Cytokine Res.</u> , 15, pp. 243-248 (1995).
	V. Gagliardini et al., "Prevention of Vertebrate Neuronal Death by the crmA Gene", <u>Science</u> , 263, pp. 826-828 (1994)
	T. Geiger et al., "Neutralization of Interleukin-1 $\beta$ Activity in vivo with a Monoclonal Antibody Alleviates Collagen-induced Arthritis in DBA/1 Mice and Prevents the Associated Acute-phase Response", <u>Clin. Exp. Rheumatol.</u> , 11, pp. 515-522 (1993)
	T. Graybill et al., "The Preparation and Evaluation of Peptidic Aspartyl Hemiacetals as Reversible Inhibitors of ICE", <u>Am. Chem. Soc. Abs. (206th Natl. Mtg.)</u> , MEDI 235 (1993)
	T. Graybill et al., "Preparation and Evaluation of Peptidic Aspartyl Hemiacetals as Reversible Inhibitors of Interleukin-1 $\beta$ Converting Enzyme (ICE)", <u>Int. J. Peptide Protein Res.</u> , 44, pp. 173-182 (1994)
	T. Graybill et al., "Synthesis and Evaluation of Diacylhydrazines as Inhibitors of the Interleukin-1 $\beta$ Converting Enzyme (ICE)", <u>Bioorg. Med. Chem. Lett.</u> , 5, pp. 1197-1202 (1995).
	W. Griffin et al., "Brain Interleukin 1 and S-100 Immunoreactivity are Elevated in Down Syndrome and Alzheimer Disease", <u>Proc. Natl. Acad. Sci. USA</u> , 86, pp. 7611-7615 (1989)
	C. Hammerberg et al., "Interleukin-1 Receptor Antagonist in Normal and Psoriatic Epidermis", <u>J. Clin. Invest.</u> , 90, pp. 571-583 (1992)
	S. Hanessian et al., "Design and Synthesis of a Prototype Model Antagonist of Tachykinin NK-2 Receptor", <u>Bioorg. Med. Chem. Lett.</u> , 3, pp. 2689-2692 (1993)
	E. Harris, "Rheumatoid Arthritis: Pathophysiology and Implications for Therapy", <u>N. Eng. J. Med.</u> , 322, pp. 1277-1289 (1990)
	A. Howard et al., "High-Level Production and Characterization of Functional Human Interleukin-1 $\beta$ Converting Enzyme in Baculovirus and E. coli Expression Systems", <u>J. Cell. Biochem. Suppl.</u> , 17B, p. 146 (1993)
	A. Howard et al., "Human Interleukin-1 $\beta$ Converting Enzyme: A Mutational Analysis of Proenzyme Activation", <u>J. Cell. Biochem. Suppl.</u> , 17B, p. 113 (1993)
	A. Howard et al., "IL-1-Converting Enzyme Requires Aspartic Acid Residues for Processing of the IL-1 $\beta$ Precursor at Two Distinct Sites and Does Not Cleave 31-kDa IL-1 $\alpha$ ", <u>J. Immunol.</u> , 147, pp. 2964-2969 (1991)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

AUG 05 2002

TECH CENTER 1600/2900

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. 09/400,639
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mark James Batchelor, et al.	10/05/99
		FILING DATE September 21, 1999	GROUP 1614 / 624

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
D.K.	I. Kamphuis et al., "Thiol Proteases: Comparative Studies Based on the High-resolution Structures of Papain and Actinidin, and on Amino Acid Sequence Information for Cathepsins B and H, and Stem Bromelain", <u>J. Mol. Biol.</u> , 182, pp. 317-329 (1985)
	M. Kostura et al., "Identification of a Monocyte Specific Pre-Interleukin 1 $\beta$ Convertase Activity", <u>Proc. Natl. Acad. Sci. USA</u> , 86, pp. 5227-5231 (1989)
	K. Kuida et al., "Altered Cytokine Export and Apoptosis in Mice Deficient in Interleukin-1 $\beta$ Converting Enzyme", <u>Science</u> , 267, pp. 2000-2003 (1995)
	P. Li et al., "Mice Deficient in IL-1 $\beta$ -Converting Enzyme are Defective in Production of Mature IL-1 $\beta$ and Resistant to Endotoxic Shock", <u>Cell</u> , 80, pp. 401-411 (1995)
	C. Lipinski, "Bioisosterism in Drug Design", <u>Annu. Rep. Med. Chem.</u> , 21, pp. 283-291 (1986)
	G. Lonnemann et al., "Differences in the Synthesis and Kinetics of Release of Interleukin 1 $\alpha$ , Interleukin 1 $\beta$ and Tumor Necrosis Factor from Human Mononuclear Cells", <u>Eur. J. Immunol.</u> , 19, pp. 1531-1536 (1989)
	A. MacKenzie et al., "An Inhibitor of the Interleukin-1 $\beta$ -Processing Enzyme Blocks IL-1 Release and Reduces Pyrexia and Acute Inflammation", <u>Inflammation Research Association (7th Internat. Conf.)</u> , W42 (1994)
	T. Mandrup-Poulsen et al., "Involvement of Interleukin 1 and Interleukin 1 Antagonist in Pancreatic $\beta$ -Cell Destruction in Insulin-dependent Diabetes Mellitus", <u>Cytokine</u> , 5, pp. 185-191 (1993)
	C. March et al., "Cloning, Sequence and Expression of Two Distinct Human Interleukin-1 Complementary DNAs", <u>Nature</u> , 315, pp. 641-647 (1985)
	J. Marx, "Cell Death Studies Yield Cancer Clues", <u>Science</u> , 259, pp. 760-761 (1993)
	D. Miller et al., "The IL-1 $\beta$ Converting Enzyme as a Therapeutic Target", <u>Ann. N. Y. Acad. Sci.</u> , 696, pp. 133-148 (1993)
	B. Miller et al., "Inhibition of Mature IL-1 $\beta$ Production in Murine Macrophages and a Murine Model of Inflammation by WIN 67694, an Inhibitor of IL-1 $\beta$ Converting Enzyme", <u>J. Immunol.</u> , 154, pp. 1331-1338 (1995)
	M. Miura et al., "Induction of Apoptosis in Fibroblasts by IL-1 $\beta$ -Converting Enzyme, a Mammalian Homolog of the C.elegans Cell Death Gene ced-3", <u>Cell</u> , 75, pp. 653-660 (1993)
	A. Mjalli et al., "Phenylalkyl Ketones as Potent Reversible Inhibitors of Interleukin-1 $\beta$ Converting Enzyme", <u>Bioorg. Med. Chem. Lett.</u> , 3, pp. 2689-2692 (1993)
✓	A. Mjalli et al., "Activated Ketones as Potent Reversible Inhibitors of Interleukin-1 $\beta$ Converting Enzyme", <u>Bioorg. Med. Chem. Lett.</u> , 4, pp. 1965-1968 (1994)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

AUG 05 2002

TECH CENTER 1600/20

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. 09/400,639
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mark James Batchelor, et al.	10/058,522
		FILING DATE September 21, 1999	GROUP 1614/124

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
B.K.	S. Molineaux et al., "Interleukin 1 $\beta$ (IL-1 $\beta$ ) Processing in Murine Macrophages Requires a Structurally Conserved Homologue of Human IL-1 $\beta$ Converting Enzyme", <u>Proc. Natl. Acad. Sci. USA</u> , 90, pp. 1809-1813 (1993)
	B. Mosley et al., "Determination of the Minimum Polypeptide Lengths of the Functionally Active Sites of Human Interleukins 1 $\alpha$ and 1 $\beta$ ", <u>Proc. Natl. Acad. Sci. USA</u> , 84, pp. 4572-4576 (1987)
	M. Mullican et al., "The Synthesis and Evaluation of Peptidyl Aspartyl Aldehydes as Inhibitors of ICE", <u>Bioorg. Med. Chem. Lett.</u> , 4, pp. 2359-2364 (1994)
	C. Nalin, "Apoptosis Research Enters the ICE Age", <u>Structure</u> , 3, pp. 143-145 (1995).
	M. Nett et al., "Molecular Cloning of the Murine IL-1 $\beta$ Converting Enzyme cDNA", <u>J. Immunol.</u> , 149, pp. 3254-3259 (1992)
	M. Nett-Fiordalisi et al., "Characterization and Activation of the Murine Interleukin-1 $\beta$ (IL-1 $\beta$ ) Converting Enzyme", <u>J. Cell. Biochem. Suppl.</u> , 17B, p. 117 (1993)
	I. Noronha et al., "In situ Production of TNF- $\alpha$ , IL-1 $\beta$ and IL-2R in ANCA-positive Glomerulonephritis", <u>Kidney Int.</u> , 43, pp. 682-692 (1993)
	K. Ohlsson et al., "Interleukin-1 Receptor Antagonist Reduces Mortality from Endotoxin Shock", <u>Nature</u> , 348, pp. 550-552 (1990)
	J. Oppenheim et al., "There is More than One Interleukin 1", <u>Immunol. Today</u> , 7, pp. 45-55 (1986)
	M. Pennington & N. Thornberry, "Synthesis of a Fluorogenic Interleukin-1 $\beta$ Converting Enzyme Substrate Based on Resonance Energy Transfer", <u>Pept. Res.</u> , 7, pp. 72-76 (1994)
	L. Polgár, "On the Mode of Activation of the Catalytically Essential Sulfhydryl Group of Papain", <u>Eur. J. Biochem.</u> , 33, pp. 104-109 (1973)
	C. Prasad et al., "P <sub>1</sub> Aspartate-Based Peptide $\alpha$ -Arylacyloxy- and $\alpha$ -Aryloxymethyl Ketones as Potent Time-Dependent Inhibitors of Interleukin 1 $\beta$ Converting Enzyme", <u>Am. Chem. Soc. Abs. (24th Med. Chem. Symp.)</u> , 66 (1994)
	C. Ray et al., "Viral Inhibition of Inflammation: Cowpox Virus Encodes an Inhibitor of the Interleukin-1 $\beta$ Converting Enzyme", <u>Cell</u> , 69, pp. 597-604 (1992)
	L. Reiter, "Peptidic p-Nitroanilide Substrates of Interleukin-1 $\beta$ -Converting Enzyme", <u>Int. J. Pept. Protein Res.</u> , 43, pp. 87-96 (1994)
	L. Revesz et al., "Synthesis of P1 Aspartate-Based Peptide Acyloxymethyl and Fluoromethyl Ketones as Inhibitors of Interleukin-1 $\beta$ -Converting Enzyme", <u>Tetrahedron Lett.</u> , 35, pp. 9693-9696 (1994)
✓	R. Robinson and K. Donahue, "Synthesis of a Peptidyl Difluoro Ketone Bearing the Aspartic Acid Side Chain: An Inhibitor of Interleukin-1 $\beta$ Converting Enzyme", <u>J. Org. Chem.</u> , 57, pp. 7309-7314 (1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered; whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. VPI96-01 CIP2 DIV	SERIAL NO. 09/400,639 10/05/9522
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mark James Batchelor, et al.	GROUP 1614-624
		FILING DATE September 21, 1999	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
D.K.	M. Salvatore et al., "L-741,494, A Fungal Metabolite that is an Inhibitor of Interleukin-1 $\beta$ Converting Enzyme", <u>J. Nat. Prods.</u> , 57, pp. 755-760 (1994)
	J. Sandberg et al., "Treatment with an Interleukin-1 Receptor Antagonist Protein Prolongs Mouse Islet Allograft Survival", <u>Diabetes</u> , 42, pp. 1845-1851 (1993)
	S. Schmidt et al., "Synthesis and Evaluation of Aspartyl $\alpha$ -Chloro-, $\alpha$ -Aryloxy-, and $\alpha$ -Arylacyloxymethyl Ketones as Inhibitors of Interleukin-1 $\beta$ Converting Enzyme", <u>Am. Chem. Soc. Abs.</u> (208th Natl. Mtg.), MEDI 4 (1994)
	B. Shivers et al., "Molecular Cloning of Rat Interleukin-1 $\beta$ -Converting Enzyme: Distribution and Regulation", <u>J. Cell. Biochem. Suppl.</u> , 17B, p. 119 (1993)
	I. Singer et al., "Interleukin 1 $\beta$ is Localized in the Cytoplasmic Ground Substance but is Largely Absent from the Golgi Apparatus and Plasma Membranes of Stimulated Human Monocytes", <u>J. Exp. Med.</u> , 167, pp. 389-407 (1988)
	P. Sleath et al., "Substrate Specificity of the Protease that Processes Human Interleukin-1 $\beta$ ", <u>J. Biol. Chem.</u> , 265, pp. 14526-14528 (1990)
	A.F. Spatola, <u>Chemistry and Biochemistry of Amino Acids, Peptides and Proteins</u> , vol. 7, B. Weinstein, ed., Marcel Dekker Inc., ch. 5, pp. 267-281 (1983).
	N. Thornberry et al., "A Novel Heterodimeric Cysteine Protease is Required for Interleukin-1 $\beta$ Processing in Monocytes", <u>Nature</u> , 356, pp. 768-774 (1992)
	N. Thornberry et al., "Inactivation of Interleukin-1 $\beta$ Converting Enzyme by Peptide (Acyloxy)methyl Ketones", <u>Biochemistry</u> , 33, pp. 3934-3940 (1994)
	J. Uhl et al., "Secretion of Human Monocyte Mature IL-1 $\beta$ : Optimization of Culture Conditions and Inhibition by ICE Inhibitors", <u>Inflammation Research Association (7th Internat. Conf.)</u> , W41 (1994)
	N.P.C. Walker et al., "Crystal Structure of the Cysteine Protease Interleukin-1 $\beta$ -Converting Enzyme: A (p20/p10) <sub>2</sub> Homodimer", <u>Cell</u> , 78, pp. 343-352 (1994).
	P. Warner, et al., "Pyridone HLE Inhibitors: Variation of the 3 and 5 Substituents", <u>Royal Soc. Chem. Abs.</u> (7th RSC-SCI Med. Chem. Symp.), P23 (1993)
	K.P. Wilson et al., "Structure and Mechanism of Interleukin-1 $\beta$ Converting Enzyme", <u>Nature</u> , 370, pp. 270-275 (1994).
	P. Wooley et al., "The Effect of an Interleukin-1 Receptor Antagonist Protein on Type II Collagen-induced Arthritis and Antigen-induced Arthritis in Mice", <u>Arthritis Rheum.</u> , 36, pp. 1305-1314 (1993)
	J. Yuan et al., "The C.elegans Cell Death Gene ced-3 Encodes a Protein Similar to Mammalian Interleukin-1 $\beta$ -Converting Enzyme", <u>Cell</u> , 75, pp. 641-652 (1993)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.